

IN THE CLAIMS:

1. (Currently Amended) A method of displaying a guard ring within an integrated circuit design having logic devices, said method comprising:

determining ~~type~~ types of logic devices within said integrated circuit design;

determining positions of said logic devices within said integrated circuit design;

selecting ~~type~~ types of guard rings which are appropriated with determined ~~type~~ types of logic devices;

incorporating said guard ring into said determined types of logic devices within said integrated circuit design; and

displaying said logic devices and said guard ~~ring as~~ rings symbolically and schematically in a single integrated display,

wherein said displaying of said logic devices and said guard ~~ring~~ rings symbolically comprises displaying a parameterized symbol,

wherein said parameterized symbol comprises parameters, wherein said parameters comprise at least one of a ~~type~~ said types of said guard ~~ring~~ rings and an efficiency of said guard ring.

2-4. (Cancelled).

5. (Currently Amended) The method in claim 30, all the limitations of which are incorporated herein by reference, wherein said displaying of said logic devices and said guard

ring graphically comprises illustrating relative positions of said logic devices and said guard ring.

6-12. (Cancelled).

13. (Currently Amended) A method of displaying at least one guard ring within a hierarchical integrated circuit design having logic devices, a parameterized cell, and said at least one guard ring, said method comprising:

determining ~~type~~ types of logic devices within said integrated circuit design;

establishing positions of said logic devices within a portion of said hierarchical integrated circuit design;

selecting ~~type~~ types of guard rings which are appropriated with determined ~~type~~ types of logic devices;

incorporating said guard ring into said determined types of logic devices within said portion of said hierarchical integrated circuit design; and

displaying said portion of said integrated circuit design as a cell having said guard ring within said hierarchical integrated circuit design,

wherein said displaying of said portion of said integrated circuit design comprises displaying said logic devices and said guard ~~ring~~ rings symbolically and schematically in a single integrated display,

wherein said displaying of said logic devices and said guard ~~ring as~~ rings symbolically comprises displaying a parameterized symbol,

wherein said parameterized symbol comprises parameters, wherein said parameters

comprise at least one of a ~~type~~ said types of said guard ~~ring~~ rings and an efficiency of said guard ring.

14-16. (Cancelled).

17. (Currently Amended) The method in claim 13, all the limitations of which are incorporated herein by reference, wherein said displaying of said portion of said integrated circuit design comprises graphically illustrating relative positions of said logic devices and said guard ring.

18-24. (Cancelled).

25. (Currently Amended) A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform a method of displaying a guard ring within an integrated circuit design having logic devices, said method comprising:

determining ~~type~~ types of logic devices within said integrated circuit design;

determining positions of said logic devices within said integrated circuit design;

selecting ~~type~~ types of guard rings which are appropriated with determined ~~type~~ types of logic devices;

incorporating said guard ring into said determined types of logic devices within said integrated circuit design; and

displaying said logic devices and said guard ~~ring as~~ rings symbolically and schematically in a single integrated display,

wherein said displaying of said logic devices and said guard ~~ring~~ rings symbolically comprises displaying a parameterized symbol,

wherein said parameterized symbol comprises parameters, wherein said parameters comprise at least one of a ~~type~~ said types of said guard ~~ring~~ rings and an efficiency of said guard ring.

26-28. (Cancelled).

29. (Currently Amended) The program storage device in claim 39, all the limitations of which are incorporated herein by reference, wherein said displaying of said logic devices and said guard ring graphically comprises illustrating relative positions of said logic devices and said guard ring.

30. (Currently Amended) The method in claim 1, all the limitations of which are incorporated herein by reference, further comprising displaying said logic devices and said guard ring graphically in said single display.

31-32. (Cancelled).

33. (Currently Amended) The method in claim 1, all the limitations of which are incorporated

herein by reference, wherein said displaying of said parameterized symbol comprises displaying said parameters including a type of circuit.

34. (Cancelled).

35. (Currently Amended) The method in claim 1, all the limitations of which are incorporated herein by reference, wherein said displaying of said parameterized symbol comprises displaying said parameters including a type of circuit and an efficiency of said guard ring.

36. (Currently Amended) The method in claim 13, all the limitations of which are incorporated herein by reference, wherein said displaying of said parameterized symbol comprises displaying said parameters including a type of circuit.

37. (Cancelled).

38. (Currently Amended) The method in claim 13, all the limitations of which are incorporated herein by reference, wherein said displaying of said parameterized symbol comprises displaying said parameters including a type of circuit and an efficiency of said guard ring.

39. (Currently Amended) The program storage device in claim 25, all the limitations of which are incorporated herein by reference, further comprising displaying said logic devices and

said guard ring graphically in a single display.

40-41. (Cancelled).

42. (Currently Amended) The program storage device in claim 25, all the limitations of which are incorporated herein by reference, wherein said displaying of said parameterized symbol comprises displaying said parameters including a type of circuit.

43. (Cancelled).

44. (Currently Amended) The program storage device in claim 25, all the limitations of which are incorporated herein by reference, wherein said displaying of said parameterized symbol comprises displaying said parameters including a type of circuit and an efficiency of said guard ring.